### PATENT COOPERATION TREATY

From the: INTERNATIONAL SEARCHING AUTHORITY					
То:	PCT				
Griffith Hack GPO Box 4164 SYDNEY NSW 2001	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
	(PCT Rule 43bis.1)				
·	Date of mailing (day/month/year) 0 7 MAY 2004				
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraph 2 below				
FP19545 International application No. International	al filing date (day/month/year) Priority date (day/month/year)				
PCT/AU2004/000461 8 April 20	11 1 2002				
International Patent Classification (IPC) or both national					
. Cl. 7 C09K 3/18, C09D 5/02, 5/00					
Applicant					
UNISEARCH LIMITED et al.					
1. This opinion contains indications relating to the fo	ollowing items:				
Box No. I Basis of the opinion					
Box No. II Priority					
	with regard to novelty, inventive step and industrial applicability				
<del>                                    </del>					
Box No. IV Lack of unity of invention    Box No. V Reasoned statement under Rule 43bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability;					
citations and explanations supp    V   Box No. VI   Certain documents cited	orting such statement				
	lliestion				
Box No. VII Certain defects in the internation					
X Box No. VIII Certain observations on the inte	emational application				
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2. FURTHER ACTION	the later again of the International				
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the international Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the IPEA/AU	Authorized Officer				
AUSTRALIAN PATENT OFFICE	MANUEL WORKS MANUEL				
PO BOX 200, WODEN ACT 2606, AUSTRALIA	ALBERT S. J. YONG				
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929  Telephone No. (02) 6283 2160					

JC05 Rec'd PCT/PTO 11 OCT 2005

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. 25 533
PCT/AU2004/000461

Bo	x No. I Basis of the opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing table(s) related to the sequence listing
	b. format of material
	in written format in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.  furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:
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### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/000461

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inves applicability; citations and explanations supporting such statement	
Claims 1-25,27-35	YES
Claims 26	NO
Claims	YES
Claims 1-35	NO
Claims 1-35	YES
Claims	NO
	Claims 1-25,27-35 Claims 26 Claims 1-35 Claims 1-35

#### 2. Citations and explanations:

#### **CITATIONS**

- D1. WO 2001/014497
- D2. WO 1999/057185
- D3. WO 1998/042452
- D4. EP 1215252
- D5. JP 2002114941
- D6. JP 02208382

#### **NOVELTY**

Claim 26: This claim is directed to a transparent hydrophobic coating on which water has a contact angle of at least 130°.

D1 discloses a modified gel which is capable of forming a hydrophobic surface on which water has a contact angle of at least 150°. D3 discloses a coated surface having a contact angle >150° and D6 discloses a contact angle of 138°. Hence, the claim is not novel in the light of these citations.

#### INVENTIVE STEP

Claim 26: This claim lacks an inventive step for reasons given above.

Claims 1-25, 27-35: The claimed invention relates to a method of forming a hydrophobic coating on the surface of a substrate, the method comprising the steps of forming an emulsion of particulate material, a surfactant, water and an organic solvent, applying the emulsion to the surface, removing the water and solvent and decomposing the surfactant. Although citations D1 to D6 do not disclose the use of a surfactant, it should be noted that it is common knowledge to a person skilled in the art to use an emulsifier or surfactant to obtain an emulsion from a immiscible mixture of water and organic matter. Hence, the claims are not inventive in the light of the citations.

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/000461

Certain published documents	(Rules 43bis,1 and 70.10)		
Application No.  Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim (day/month/year)
US 6657001	2 December 2003	31 July 2000	23 December 1999
US 6599633	29 July 2003	4 April 2000	10 April 1999
JP 2003128991	8 May 2003	26 October 2001	26 October 2001
se citations disclose coatir 7001 discloses a composit	ng compositions for rendering ion comprising silica particle	the surface of a substrate h s, polysiloxane, curing agen	ydrophobic. In particular, U t and a surfactant.
Non-written disclosures (Rul	es 43 <i>bis.</i> 1 and 70.9)		
Non-written disclosures (Rul Kind of non-written disclos	ure Date of non-w	ritten disclosure onth/year) re	Date of written disclosure ferring to non-written disclosure (day/month/year)
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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/ATJ2004/000461

		PC1/AU2004/000461					
Box No. VIII	Certain observations on the international application						
The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:							
Claim 26 is no ones prepared	t fully supported by the description. In particular, the hydrophobic coati according to the present invention.	ng claimed is not limited to					
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